

ABSTRACT

This invention is intended to improve the efficiency of producing 1,3-propanediol from glycerol and to provide an industrially effective process for producing the same. Such process involves the use of a transformant comprising the gene encoding the large subunit of glycerol dehydratase and/or diol dehydratase, the gene encoding the medium subunit thereof, and the gene encoding the small subunit thereof, the gene encoding the large subunit of the reactivation factor for glycerol dehydratase and/or the reactivation factor for diol dehydratase and the gene encoding the small subunit thereof, the gene encoding aldehyde dehydrogenase, and the gene encoding 1,3-propanediol oxidoreductase and/or the gene encoding propanol dehydrogenase.